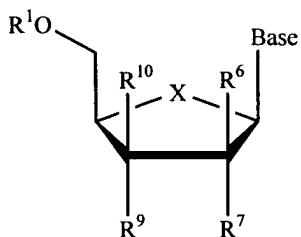


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-88 (canceled)

Claims 89 (currently amended): A method for the treatment or prophylaxis of a flavivirus or pestivirus infection in a host, comprising administering an anti-virally effective amount of a compound of Formula XVII:



(XVII)

or a pharmaceutically acceptable salt or ester thereof, wherein:

Base is a triazolopyridine, imidazolopyridine, or pyrazolopyrimidine purine or pyrimidine base as defined herein;

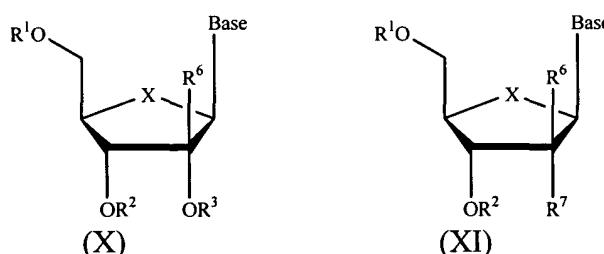
R¹ and R² are independently H; phosphate (including monophosphate, diphosphate, triphosphate, or a stabilized phosphate prodrug); a stabilized phosphate prodrug; acyl (including lower acyl); alkyl (including lower alkyl); sulfonate ester; including alkyl or arylalkyl sulfonyl including methanesulfonyl and benzyl, wherein the phenyl group is optionally substituted with one or more substituents as described in the definition of aryl given herein; a lipid; including a phospholipid; an amino acid; a carbohydrate; a peptide; a cholesterol; or other pharmaceutically acceptable leaving group which when administered *in vivo* is capable of providing a compound wherein R¹ and R² are independently H or phosphate;

R⁶ is hydrogen, hydroxy, alkyl (including lower alkyl), azido, cyano, alkenyl, alkynyl, Br-vinyl, -C(O)O(alkyl), -C(O)O(lower alkyl), -O(acyl), -O(lower acyl), -O(alkyl), -O(lower alkyl), -O(alkenyl), chloro, bromo, fluoro, iodo, NO₂, NH₂, -NH(lower alkyl),

-NH(acyl), -N(lower alkyl)₂, or -N(acyl)₂;
R⁷ and R⁹ are independently hydrogen, OR², hydroxy, alkyl (~~including lower alkyl~~), azido, cyano, alkenyl, alkynyl, Br-vinyl, -C(O)O(alkyl), -C(O)O(lower alkyl), -O(acyl), -O(lower acyl), -O(alkyl), -O(lower alkyl), -O(alkenyl), chlorine, bromine, iodine, NO₂, NH₂, -NH(lower alkyl), -NH(acyl), -N(lower alkyl)₂, or -N(acyl)₂;
R¹⁰ is H, alkyl (~~including lower alkyl~~), chlorine, bromine or iodine;
alternatively, R⁷ and R⁹, or R⁷ and R¹⁰ can come together to form a bond; and
X is O, S, SO₂ or CH₂.

Claims 90-129 (canceled)

Claim 130 (new): The method of claim 89 for the treatment of a flavivirus or pestivirus infection in a host, comprising administering an anti-virally effective amount of a compound of Formula X or XI:



or a pharmaceutically acceptable salt or ester thereof, wherein:

Base is a triazolopyridine, imidazolopyridine, or pyrazolopyrimidine;
R¹, R² and R³ are independently H; phosphate or a stabilized phosphate prodrug; acyl; alkyl; sulfonate ester; or benzyl, wherein the phenyl group is optionally substituted; a lipid; an amino acid; a carbohydrate; a peptide; cholesterol; or other pharmaceutically acceptable leaving group which when administered *in vivo* is capable of providing a compound wherein R¹, R² and R³ are independently H or phosphate;
R⁶ is hydroxy, alkyl, azido, cyano, alkenyl, alkynyl, Br-vinyl, -C(O)O(alkyl),

-C(O)O(lower alkyl), -O(acyl), -O(lower acyl), -O(alkyl), -O(lower alkyl), -O(alkenyl), chloro, bromo, fluoro, iodo, NO₂, NH₂, -NH(lower alkyl), -NH(acyl), -N(lower alkyl)₂, or -N(acyl)₂;

R⁷ is hydrogen, OR³, hydroxy, alkyl, azido, cyano, alkenyl, alkynyl, Br-vinyl, -C(O)O(alkyl), -C(O)O(lower alkyl), -O(acyl), -O(lower acyl), -O(alkyl), -O(lower alkyl), -O(alkenyl), chlorine, bromine, iodine, NO₂, NH₂, -NH(lower alkyl), -NH(acyl), -N(lower alkyl)₂, or -N(acyl)₂; and

X is O, S, SO₂ or CH₂.

Claim 131 (new): The method of claim 89 for the treatment of a flavivirus or pestivirus infection in a host, wherein, in the compound of Formula XVII:

R¹⁰ is H, alkyl, chlorine, bromine or iodine;

R⁷ and R⁹ are independently hydrogen, OR², alkyl, alkenyl, alkynyl, Br-vinyl, O-alkenyl, chlorine, bromine, iodine, NO₂, NH₂, -NH(lower alkyl), -NH(acyl), -N(lower alkyl)₂, or -N(acyl)₂;

R⁶ is alkyl, chlorine, bromine or iodine;

alternatively, R⁷ and R⁹, or R⁸ and R⁹ can come together to form a bond; and

X is O, S, SO₂ or CH₂.

Claim 132 (new): The method of claim 89 wherein R¹ is hydrogen or phosphate.

Claim 133 (new): The method of claim 89 wherein R² is hydrogen, acyl or alkyl.

Claim 134 (new): The method of claim 89 wherein R⁶ is alkyl.

Claim 135 (new): The method of claim 89 wherein R⁷ and R⁹ are independently hydrogen, OR², or hydroxy.

Claim 136 (new): The method of claim 89 wherein R⁷ is hydroxy.

Claim 137 (new): The method of claim 89 wherein R⁹ is hydroxy.

Claim 138 (new): The method of claim 89 wherein R⁷ and R⁹ are hydroxy.

Claim 139 (new): The method of claim 89 wherein R¹⁰ is hydrogen.

Claim 140 (new): The method of claim 89 wherein X is O.

Claim 141 (new): The method of claim 89 wherein

R¹ is hydrogen or phosphate;

R² is hydrogen, acyl or alkyl;

R⁶ is alkyl;

R⁷ and R⁹ are independently hydrogen, OR², or hydroxy;

R¹⁰ is hydrogen; and

X is O.

Claim 142 (new): The method of claim 89, wherein the method comprises administering the compound or a pharmaceutically acceptable salt or ester thereof in combination or alternation with a second anti-flavivirus or anti-pestivirus agent.

Claim 143 (new): The method of claim 142, wherein the second anti-flavivirus or anti-pestivirus agent is selected from the group consisting of interferon, ribavirin, a protease inhibitor, a thiazolidine derivative, a polymerase inhibitor, and a helicase inhibitor.

Claim 144 (new): The method of claim 143, wherein the second anti-flavivirus or anti-pestivirus agent is interferon.

Claim 145 (new): The method of claim 143, wherein the second anti-flavivirus or anti-pestivirus agent is a protease inhibitor.

Claim 146 (new): The method of claim 143, wherein the second anti-flavivirus or anti-pestivirus agent is ribavirin.

Claim 147 (new): The method of claim 89, wherein the compound is in the form of a dosage unit.

Claim 148 (new): The method of claim 147, wherein the dosage unit contains 50 to 1000 mg of said compound.

Claim 149 (new): The method of claim 147, wherein said dosage unit is a tablet or capsule.

Claim 150 (new): The method of claim 89, wherein the host is a human.

Claim 151 (new): The method of claim 89, wherein the compound is in substantially pure form.

Claim 152 (new): The method of claim 89, wherein the compound is at least 90% by weight of the β -D-isomer.

Claim 153 (new): The method of claim 89, wherein the compound is at least 95% by weight of the β -D-isomer.

Claim 154 (new): The method of claim 89, wherein the flavivirus or pestivirus is a Dengue virus.

Claim 155 (new): The method of claim 89, wherein the flavivirus or pestivirus is a West Nile virus.

Claim 156 (new): The method of claim 89, wherein the flavivirus or pestivirus is a yellow fever virus.

Claim 157 (new): The method of claim 89, wherein the flavivirus or pestivirus is a bovine viral diarrhea virus (BVDV).

Claim 158 (new): The method of claim 89, wherein the flavivirus or pestivirus is not a hepatitis C virus.